

TRUCK-MOUNTED ESCALATOR

ABSTRACT OF THE DISCLOSURE

The truck-mounted escalator is an improvement to mobile passenger stairways used to allow airline passengers to board and alight from large commercial aircraft. The improvement
5 consists of motorizing the steps so they would function identically to escalator staircases commonly used in building structures. The truck-mounted escalator would consist of an electrical motor-driven escalator unit mounted on the bed of a dump truck style vehicle. The vehicle would feature a central support for the escalator unit and a hydraulic unit by which the escalator could be inclined for desired positioning. The escalator unit and hydraulic lift could be
10 controlled by either of two control units, one located in the cab and the other on the rear of the truck bed. Electrical power for the motor, escalator unit, hydraulic lift, and control units would be supplied by the truck battery.